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Respectfully submitted,



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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 6

Application Number	10/799,147
Filing Date	MARCH 12, 2004
First Named Inventor	LAURENT VANDROUX, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8390/DSM/BCVD/JW
Submission Date	_____, 2004

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	US-6,635,583 B2	10/21/2003	Bencher, et al.	
	A2	US-6,624,064 B1	09/23/2003	Sahin, et al.	
	A3	US-6,573,030	06/03/2003	Fairbairn, et al.	
	A4	US-6,541,397 B1	04/01/2003	Bencher	
	A5	US-6,458,516 B1	10/01/2002	Ye, et al.	
	A6	US-6,423,384 B1	07/23/2002	Khazeni, et al.	
	A7	US-6,413,852	07/02/2002	Grill, et al.	
	A8	US-6,386,947	05/14/2002	Donahue	
	A9	US-6,380,106	04/30/2002	Lim, et al.	
	A10	US-6,358,573 B1	03/19/2002	Raoux, et al.	
	A11	US-6,333,255	12/25/2001	Sekiguchi	
	A12	US-6,331,380 B1	12/18/2001	Ye, et al.	
	A13	US-6,323,119 B1	11/27/2001	Xi, et al.	
	A14	US-6,316,347	11/13/2001	Chang, et al.	
	A15	US-6,291,334 B1	09/18/2001	Somekh	
	A16	US-6,235,629	05/22/2001	Takenaka	
	A17	US-6,214,730	04/10/2001	Cooney, III, et al.	
	A18	US-6,211,065 B1	04/03/2001	Xi, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 0 575 157 A1	12/22/1993			
	B2	EP 0 803 589 A1	10/26/1997			
	B3	EP 1 014 121 A2	06/28/2000			
	B4	DE 197 23 284 A1	10/12/1998			
	B5	JP 06-263452	09/06/1994			
	B6	JP 11-052159	02/11/1999			

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				Filing Date	MARCH 12, 2004
				First Named Inventor	LAURENT VANDROUX, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/8390/DSM/BCVD/JW
Sheet 2		of 6		Submission Date	_____, 2004

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	A19	US-6,165,890	12/26/2000	Kohl, et al.	
	A20	US-6,153,935	11/28/2000	Edelstein, et al.	
	A21	US-6,151,430	11/21/2000	Traver, Jr, et al.	
	A22	US-6,143,476	11/07/2000	Ye, et al.	
	A23	US-6,140,226	10/31/2000	Grill, et al.	
	A24	US-6,140,224	10/31/2000	Lin	
	A25	US-6,098,568	08/08/2000	Raoux, et al.	
	A26	US-6,097,870	08/01/2000	Ranka, et al.	
	A27	US-6,080,529	06/27/2000	Ye, et al.	
	A28	US-6,066,577	05/23/2000	Cooney, III, et al.	
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	A30	US-6,057,226	05/02/2000	Wong	
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	A33	US-6,024,044	02/15/2000	Law, et al.	
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	A39	US-5,930,439	07/27/1999	Ojha, et al.	
	A40	US-5,904,491	05/18/1999	Ojha, et al.	
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				Filing Date		MARCH 12, 2004	
				First Named Inventor		LAURENT VANDROUX, ET AL.	
				Group Art Unit		UNKNOWN	
				Examiner Name		UNKNOWN	
				Attorney Docket Number		AMAT/8390/DSM/BCVD/JW	
Sheet	3	of	6	Submission Date		_____, 2004	

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		Number-Kind Code ² (if known)			
	A47	US-5,759,913	06/02/1998	Fulford, Jr., et al.	
	A48	US-5,689,614	11/18/1997	Gronet, et al.	
	A49	US-5,567,476	10/22/1996	Law, et al.	
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	A51	US-5,461,003	10/24/1995	Havemann, et al.	
	A52	US-5,378,256	01/03/1995	Green, et al.	
	A53	US-5,366,530	11/22/1994	Weber	
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	A74				

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				Filing Date	MARCH 12, 2004
				First Named Inventor	LAURENT VANDROUX, ET AL.
				Group Art Unit	UNKNOWN
				Examiner Name	UNKNOWN
				Attorney Docket Number	AMAT/8390/DSM/BCVD/JW
Sheet 4	of 6	Submission Date	_____, 2004		

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	U.S. Patent Application 10/768,724, filed on January 30, 2004. (AMAT/8736)	
	C2	U.S. Patent Application 10/799,146, filed on March 12, 2004 (AMAT/8244)	
	C3	U.S. Patent Application 10/800,112, filed on March 12, 2004 (AMAT/8245)	
	C4	U.S. Patent Application 10/383,839, filed on March 7, 2003 (AMAT/6328.C1)	
	C5	PCT International Search Report for PCT/US 01/47493, dated December 10, 2002 (AMAT/5621.PC)	
	C6	PCT Written Opinion for PCT/US 01/47493, dated March 12, 2004 (AMAT/5621.PC)	
	C7	A. KILIAN, ET AL. "Birefringence Free Planar Optical Waveguide Made by Flame Hydrolysis Deposition (FHD) Through Tailoring of the Overcladding", <i>J. Lightwave Tech.</i> Vol. 18. No. 2 (Feb. 2000)	
	C8	KASHIMURA, ET AL., "Loss Reduction of GeO ₂ -Doped Silica Waveguide with High Refractive Index Difference By High-Temperature Annealing", 39 <i>Jpn. J. Appl. Phys.</i> Vol. 39 No.6A, Pt. 2 (April 2000)	
	C9	TAN, ET AL., "Fabrication of Gratings and Design of Diffractive Optical Elements Embossed on Sol-Gel Films" <i>SPIE Conf. on Design, Fabrication & Characterization of Photonic Devices</i> (November 1999)	
	C10	SUN, ET AL., "Building Passive Components with Silica Waveguides", <i>SPIE Conf. on Terahertz & Gigahertz Photonics</i> , pp. 313 – 319 (July 1999)	
	C11	JUNG, ET AL., "Inductively Coupled Plasma Etching of Ge-Doped Boron-Phosphosilicate Glass for Planar Lightwave Circuit Devices", <i>J. Non-Crystalline Solids</i> , Vol 259, pp. 191 – 197 (1999)	

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	C12	RUANO, ET AL. "Fabrication of Integrated Microanalytical Chambers and Channels for Biological Assays Using Flame Hydrolysis Deposition Glass", <i>Microelectronic Eng.</i> , Vol. 46 (1999), pp. 419 - 422	
	C13	RUANO, ET AL., "Lab-on-a-Chip Devices Fabricated Using Flame Hydrolysis Deposited Glass", <i>Inst. Of Elec. Eng.</i> (1999), pp. 12/1 - 12/6	
	C14	ANDREWS. M., "An Overview of Sol Gel Guest-Host Materials Chemistry for Optical Devices", 2997 SPIE (1997), pp. 48-59	
	C15	KOBAYASHI, S., "Recent Development on Silica Waveguide Technology for Integrated Optics, 2997 SPIE (1997), pp. 264 - 270	
	C16	DING, ET AL., "Wavelet Structural Analysis of Silica Glasses Manufactured by Different Methods", <i>J. Non-Crystalline Sol.</i> , Vol. 222 (1997), pp. 50-58	
	C17	BEGUIN, ET AL., "Planar Optical Devices for Use in Multi-Wavelength Systems", IEEE (1997), pp. 504-505	
	C18	OJHA, "Fabrication Technologies for Planar Waveguide WDM Components", 3211 SPIE (December 1996), pp.612 - 621	
	C19	CHUN, ET AL. "Birefringence Reduction in a High Boron-Doped Silica-on-Silicon Planar Optical Waveguide", <i>J. Korean Phys. Soc.</i> , Vol. 29, No. 1 (Feb. 1996), pp. 140-142	
	C20	LI, ET AL. "Silica-Based Optical Integrated Circuits", <i>IEE Proc. Optoelectron</i> , Vol. 143, No. 5 (October 1996), pp. 263 - 280	
	C21	WU, ET AL., "Fabrication of High Concentration Rare-Earth-Doped Silica-Based Waveguide by MCVD Method", <i>IEEE Photonics Tech. Letters</i> , Vol. 7, No. 6 (June 1995), pp. 655 - 657	
	C22	SUN, ET AL., "Light Coupling from Diode Lasers to Microlensed Silica Waveguides", <i>Conference on Optical Fiber Communication</i> , Vol. 8 (1995), pp. 228-229	
	C23	SUN, ET AL. "Silica Waveguide Circuits with Low Polarisation Dependence Fabricated on Silica Substrates", <i>Electronics Letters</i> , Vol. 30 (11/24/94), pp. 2032 - 2034	

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	C24	TSUKAHARA, ET AL., "Evaluation of Layered Structures for Micromachines by Means of Ultrasonic Micro-Spectroscopy", 1994 <i>Ultrasonics Symposium</i> (1994), pp. 1429 - 1432	
	C25	SUN, ET AL., "High Silica Waveguides on Alumina Substrates for Hybrid Optoelectronic Integration", <i>IEEE Photonics Tech. Letters</i> , Vol. 4, No. 6 (June 1992), pp. 630-632	
	C26	SUN, ET AL., "Silica-Based Circular Cross-Sectioned Channel Waveguides", <i>IEEE Photonics Tech. Letters</i> , Vol. 3, No. 3 (March 1991), pp. 238-240	
	C27	IKUNISHI, ET AL., "A Study of Fabricating Silica Glass Waveguide by LP-CVD", (1987) pp. 66-69	
	C28	SUN, ET AL., "1xN Splitters on Silica Substrates with Low Polarization Dependent Loss", pp. 243-244	
	C29		
	C30		
	C31		
	C32		
	C33		
	C34		
	C35		

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